This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A DNA molecule corresponding to a nucleotide sequence of a cereal pollen major allergen selected from one of the sequences in accordance with SEQ ID NO 1, 3, 5, 7, and 9.

2.(Original) A DNA molecule which hybridises with a DNA molecule according to Claim 1 under stringent conditions and originates from DNA sequences from *Poaceae* species.

3.(Original) A DNA molecule, encoding a polypeptide, which cross-reacts immunologically with the major allergens Sec c 4, Hor v 4 or Tri a 4 from Secale *cerale, Hordeum vulgare* or *Triticum aestivum* and originates from DNA sequences from Poaceae species.

4.(Currently Amended) A DNA molecule, corresponding to a partial sequence or a combination of partial sequences according to claim 1 ~~one or more of Claims 1 to 3~~, which encodes an immunomodulatory, T-cell-reactive fragment of a group 4 allergen from the Poaceae.

5.(Currently Amended) A DNA molecule, corresponding to a nucleotide sequence according to claim 1 ~~one or more of Claims 1 to 4~~, encoding an immunomodulatory T-cell-reactive fragment, characterised in that said nucleotide sequence has been specifically modified by specific mutation of individual codons, elimination or addition.

6.(Original) A DNA molecule according to Claim 5, characterised in that the said mutation results in the replacement of one, a plurality of or all cysteines of the corresponding polypeptide with another amino acid.

7.(Currently Amended) A recombinant DNA expression vector or a cloning system comprising a DNA molecule according to claim 1 ~~one or more of Claims 1 to 6,~~ functionally linked to an expression control sequence.

8.(Currently Amended) A host organism transformed with a DNA molecule according to claim 1 ~~one or more of Claims 1 to 6 or an expression vector according to Claim 7~~.

9.(Currently Amended) A process for the preparation of a polypeptide encoded by a DNA sequence of a DNA molecule according to claim 1 ~~one or more of Claims 1 to 6~~ by cultivation of a host organism transformed with the DNA molecule ~~according to Claim 8~~ and isolation of the corresponding polypeptide from the culture.

10.(Currently Amended) A polypeptide corresponding to one of the amino acid sequences in accordance with SEQ ID NO 2, 4, 6, 8 and 10, which is encoded by a DNA sequence according to claim 1 ~~one or more of Claims 1 to 6~~.

11.(Original) A polypeptide corresponding to the mature allergen of the amino acid sequences according to Claim 10, selected from the following group of amino acid sequences

– one of the amino acid sequences in accordance with SEQ ID NO 2, 4, or 6, beginning with amino acid 23,

– one of the amino acid sequences in accordance with SEQ ID NO 8 or 10, beginning with amino acid 22.

12.(Currently Amended) A polypeptide according to Claim 10 ~~or 11~~ as medicament.

13.(Original) A pharmaceutical composition comprising at least one polypeptide according to Claim 12 and optionally further active ingredients and/or adjuvants for the diagnosis and/or treatment of allergies in the triggering of which group 4 allergens from the *Poaceae* are involved.

14. (Original) Use of at least one polypeptide according to Claim 12 for the preparation of a

medicament for the diagnosis and/or treatment of allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.

15.(Currently Amended) A DNA molecule according to claim 1 ~~one or more of Claims 1 to 6~~ as medicament.

16.(Original) A recombinant expression vector according to Claim 7 as medicament.

17.(Currently Amended) A pharmaceutical composition comprising at least one DNA molecule according to Claim 15 ~~or at least one expression vector according to Claim 16~~ and optionally further active ingredients and/or adjuvants for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.

18. (Currently Amended) Use of at least one DNA molecule according to Claim 15 ~~or at least one expression vector according to Claim 16 fore~~ for the preparation of a medicament for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.

19.(New) A pharmaceutical composition comprising at least one expression vector according to Claim 16 and optionally further active ingredients and/or adjuvants for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.

20. (New) Use of at least one expression vector according to Claim 16 for the preparation of a medicament for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.